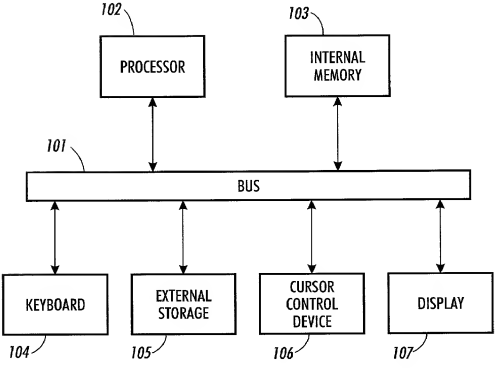

102
PROCESSOR
103
INTERNAL MEMORY
101
BUS
KEYBOARD
EXTERNAL STORAGE
CURSOR CONTROL DEVICE
DISPLAY
104
105
106
107

FIG. 1

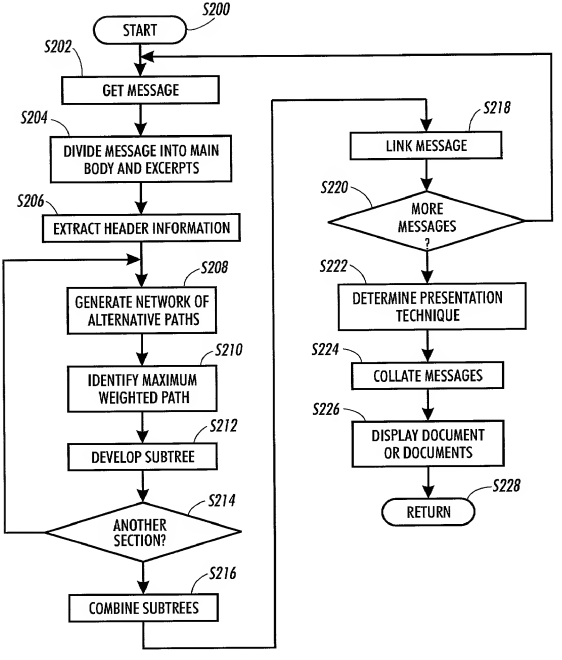

S200
START
S202
GET MESSAGE
S204
DIVIDE MESSAGE INTO MAIN BODY AND EXCERPTS
S206
EXTRACT HEADER INFORMATION
S208
GENERATE NETWORK OF ALTERNATIVE PATHS
S210
IDENTIFY MAXIMUM WEIGHTED PATH
S212
DEVELOP SUBTREE
S214
ANOTHER SECTION?
S216
COMBINE SUBTREES
S218
LINK MESSAGE
S220
MORE MESSAGES ?
S222
DETERMINE PRESENTATION TECHNIQUE
S224
COLLATE MESSAGES
S226
DISPLAY DOCUMENT OR DOCUMENTS
S228
RETURN

FIG. 2

From: Pavel Velikho <pvelikho@cs.ucsd.edu>
Newsgroups: comp.lang.python
Subject: need some fast balanced-tree datastructure
Date: Mon, 21 Jun 1999 17:06:10 PDT

Hi,
I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is there anything like that available as a C extension module?

Thank you
Pavel Velikhov
pvelikho@cs.ucsd.edu

--
http://www.python.org/mailman/listinfo/python-list

Date: Mon 21 Jun 1999 21:04:32 PDT
From: David Ascher <da@ski.org>
To: Pavel Velikho <pvelikho@cs.ucsd.edu>
cc: python-list@python.org
Subject: Re: need some fast balanced-tree datastructure

On Mon, 21 Jun 1999, Pavel Velikho wrote:
> I am looking for a fast implementation of incremental container that maintains an ordering on the keys...
> (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is > there anything like that available as a C extension module?
> I've used Sam Rushing's AVL module with great success. It is available at:

(ftp://squirl.nightmare.com/pub/python/python-ext/avl/

Cheers,

--david ascher
--
http://www.python.org/mailman/listinfo/python-list

Subject: Re: need some fast balanced-tree datastructure
References: <376ED372.FA73994F@cs.ucsd.edu>
From: Klaus Schilling <Klaus.Schilling@home.ivm.de>
Date: Tue, 22 Jun 1999 01:05:12 PDT

Pavel Velikho <pvelikho@cs.ucsd.edu> writes:

>Hi,
> I am looking for a fast implementation of incremental container that maintains an ordering on the keys...
> (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is > there anything like that available as a C extension module?

There is an avltree implementation in C by Ben Pfaff on the gnu ftp site ftp gnu.org/pub/gnu. Maybe this can be
swigged to python.

Klaus Schilling
--
http://www.python.org/mailman/listinfo/python-list

FIG. 3

842. Pavel Velikho 06/21/99 17:06

Hi,
I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but is not fast enough. Is there anything like that available as a C extension module?
Thank you.

---

849. David Ascher 06/21/99 21:04

> [Velikho: I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. ...]

I've used Sam Rushing's AVL module with great success. It is available at: ftp://squirl.nightmare.com/pub/python/python-ext/avl/

Cheers.

---

896. Klaus Schilling 06/22/99 01:05

> [Velikho: I am looking for a fast implementation of incremental container that ...]

There is an avltree implementation in C by Ben Pfaff on the gnu ftp site ftp.gnu.org/pub/gnu. Maybe this can be swigged to python.

FIG. 4

842. Pavel Velikho /99 17:06

Hi,
I am looking for a fast implementation of incremental container that maintains an ordering on the keys... (i.e. I want an AVL, Red-Black, or anything similar). I have tried the b+tree in Python but its not fast enough. Is there anything like that available as a C extension module?

Link to response from David Ascher 06/21/99 21:04
Link to response from Klaus Schilling 06/22/99 01:05

Thank you

FIG. 5

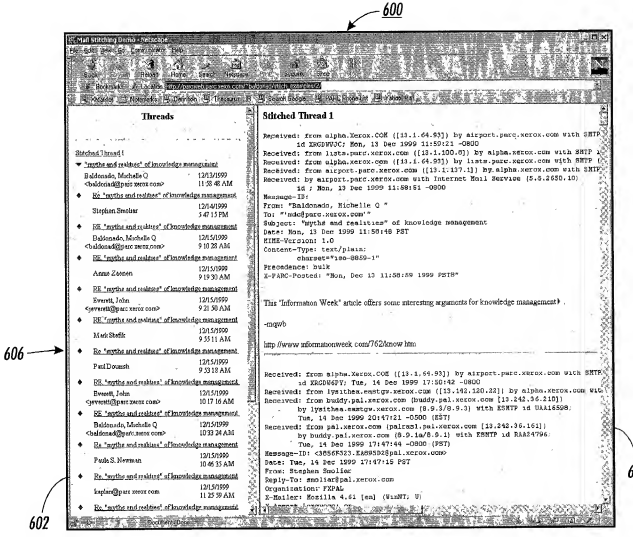
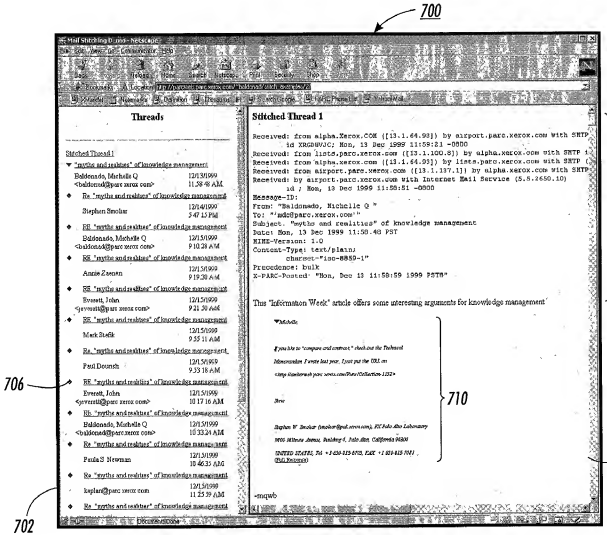

600
Threads
Stitched Thread 1
"myths and realities" of knowledge management
Baldonado, Michelle Q 12/13/1999
<baldonad@parc.xerox.com> 11:26:46 AM
Re: "myths and realities" of knowledge management
Stephen Snoliar 12/14/1999
3:47:15 PM
RE: "myths and realities" of knowledge management
Baldonado, Michelle Q 12/15/1999
<baldonad@parc.xerox.com> 9:10:28 AM
RE: "myths and realities" of knowledge management
12/15/1999
Anne Zeeren 9:19:30 AM
RE: "myths and realities" of knowledge management
Everett, John 12/15/1999
<jeverett@parc.xerox.com> 9:21:30 AM
RE: "myths and realities" of knowledge management
Mark Stefik 12/15/1999
9:55:11 AM
Re: "myths and realities" of knowledge management
Paul Dourish 12/15/1999
9:53:18 AM
RE: "myths and realities" of knowledge management
Everett, John 12/15/1999
<jeverett@parc.xerox.com> 10:17:16 AM
RE: "myths and realities" of knowledge management
Baldonado, Michelle Q 12/15/1999
<baldonad@parc.xerox.com> 10:32:24 AM
Re: "myths and realities" of knowledge management
Paula S. Newman 12/15/1999
10:46:35 AM
Re: "myths and realities" of knowledge management
kaplan@parc.xerox.com 12/15/1999
11:25:59 AM
Re: "myths and realities" of knowledge management
Received: from alpha.Xerox.COM ([13.1.64.93]) by airport.parc.xerox.com with ESMTP
id ER2WUQCY; Mon, 13 Dec 1999 11:50:21 -0800
Received: from lists.parc.xerox.com ([13.1.100.6]) by alpha.xerox.com with SMTP (
Received: from alpha.xerox.com ([13.1.64.93]) by lists.parc.xerox.com with SMTP (
Received: from airport.parc.xerox.com ([13.1.137.1]) by alpha.xerox.com with SMTP
Received: by airport.parc.xerox.com with Internet Mail Service (5.5.2650.10)
id J ; Mon, 13 Dec 1999 11:58:51 -0800
Message-ID:
From: "Baldonado, Michelle Q "
To: "'mak@parc.xerox.com'"
Subject: "myths and realities" of knowledge management
Date: Mon, 13 Dec 1999 11:50:46 PST
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Precedence: bulk
X-PARC-Posted: "Mon, Dec 13 11:50:59 1999 PSTB"
This "Information Week" article offers some interesting arguments for knowledge management) .
-mqvb
http://www.informationweek.com/762/know.htm
Received: from alpha.Xerox.COM ([13.1.64.93]) by airport.parc.xerox.com with ESMTP
id ER2QH4SY; Tue, 14 Dec 1999 17:32:42 -0800
Received: from lyatthea.esmtpw.xerox.com ([13.142.120.22]) by alpha.xerox.com wit
Received: from buddy.pal.xerox.com (buddy.pal.xerox.com [13.242.36.216])
by lyatthea.esmtpw.xerox.com (8.9.3/8.9.3) with ESMTP id UAA16508;
Tue, 14 Dec 1999 20:47:21 -0500 (EST)
Received: from pal.xerox.com (palrasl.pal.xerox.com [13.242.36.161])
by buddy.pal.xerox.com (8.9.1a/8.9.1) with ESMTP id RAA24796;
Tue, 14 Dec 1999 17:47:44 -0800 (PST)
Message-ID: <385d6323.fa99b3b2@pal.xerox.com>
Date: Tue, 14 Dec 1999 17:47:15 PST
From: Stephen Snoliar
Reply-To: snoliar@pal.xerox.com
Organization: FXPAL
X-Mailer: Mozilla 4.61 [en] (WinNT; U)
606
602
604

FIG. 6


700
Threads
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"myths and realities" of knowledge management
Baldonado, Michelle Q 12/13/1999
<baldonad@parc.xerox.com> 11:29:48 AM
Re: "myths and realities" of knowledge management
Stephen Smoliar 12/14/1999
3:47:12 PM
RE: "myths and realities" of knowledge management
Baldonado, Michelle Q 12/15/1999
<baldonad@parc.xerox.com> 9:10:28 AM
RE: "myths and realities" of knowledge management
Annie Zaenen 12/15/1999
9:19:20 AM
RE: "myths and realities" of knowledge management
Everett, John 12/15/1999
<jeverett@pur.xerox.com> 9:21:20 AM
RE: "myths and realities" of knowledge management
Mark Stefik 12/15/1999
9:55:11 AM
Re: "myths and realities" of knowledge management
Paul Dourish 12/15/1999
9:33:18 AM
RE: "myths and realities" of knowledge management
Everett, John 12/15/1999
<jeverett@parc.xerox.com> 10:17:16 AM
Re: "myths and realities" of knowledge management
Baldonado, Michelle Q 12/15/1999
<baldonad@parc.xerox.com> 10:33:24 AM
Re: "myths and realities" of knowledge management
Paula S Newman 12/15/1999
10:46:31 AM
Re: "myths and realities" of knowledge management
kaplan@parc.xerox.com 12/15/1999
11:25:59 AM
Re: "myths and realities" of knowledge management
706
702
Stitched Thread 1
Received: from alpha.Xerox.COM ([13.1.64.93]) by airport.parc.xerox.com with SMTP
id XMGRHAUC; Mon, 13 Dec 1999 11:58:21 -0800
Received: from lists.parc.xerox.com ([13.1.100.8]) by alpha.xerox.com with SMTP (
Received: from alpha.xerox.com ([13.1.64.93]) by lists.parc.xerox.com with SMTP (
Received: from airport.parc.xerox.com ([13.1.137.1]) by alpha.xerox.com with SMTP
Received: by airport.parc.xerox.com with Internet Mail Service (5.5.2650.10)
id ; Mon, 13 Dec 1999 11:58:51 -0800
Message-ID:
From: "Baldonado, Michelle Q "
To: "~mdc@parc.xerox.com"
Subject: "myths and realities" of knowledge management
Date: Mon, 13 Dec 1999 11:58:46 PST
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Precedence: bulk
X-PARC-Posted: "Mon, Dec 13 11:58:59 1999 PSTB"
708
The "Information Work" article offers some interesting arguments for knowledge management
704
710
<eop>eb

FIG. 7

717